

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A system for detecting a neurological injury in a subject prior to transport from a site of the injury, said system comprising:

a computing device comprising:

at least one distal signal emitter attachable to a first position on the subject to emit an electrical signal generated by the computing device into the subject such that the electrical signal is communicated to a nerve in proximity to the first position;

at least one signal detector attachable to a second position in electrical communication with a subject central nervous system on the subject to detect the electrical signal transmitted by the nerve as neural conductivity as a detected electrical signal; and

a processor for comparing a threshold reference value with the detected electrical signal and indicating the neurological injury when the detected electrical signal is beyond a preselected range of the reference value; and

a biochemical analyzer for analyzing fluid samples for the presence of chemical species or concentrations indicative of the neurological injury providing an output signal to said computing device; and

a display providing indication of the neurological injury associated with the output signal and the detected electrical signal;

said system providing suggestions as to at least one of: immediate interventive neuroprotective pharmaceutical treatments, or physical transport precautions, ~~or other possible action~~ prior to transport from a site of the injury.

2. (Canceled)

3. (Previously presented) The system of claim 1 wherein a database is comprised of signal strengths for various positions and muscle groups of the subject.

4. (Original) The system of claim 1 wherein the computing device provides a user with instruction for positioning the at least one emitter and the at least one detector on the subject.

5. (Previously presented) The system of claim 7 further comprising a wireless transmitter coupled to the computing device communicating the indication of neurological injury and input.

6. (Original) The system of claim 1 further comprising a user interface for data input to the computing device.

7. (Original) The system of claim 1 further comprising an ancillary monitoring device providing the computing device with an input relating to a physiological parameter of the subject.

8. (Previously presented) The system of claim 1 wherein the computing device provides suggested neuroprotective pharmaceutical treatment protocols for the subject.

9. (Previously presented) The system of claim 1 in combination with a kit of neurologically active neuroprotective pharmaceuticals and at least one device for introducing a pharmaceutical into the subject.

10. (Currently amended) A process for detecting a neurological injury in a subject comprising:

attaching a distal emitter at a first position and a detector at a second position to the subject in electrical communication with a subject central nervous system prior to transport of the subject to a trauma center;

emitting an electrical signal from a computing device into the subject at the first position via the emitter;

detecting the electrical signal transmitted by a nerve at the second position with the detector as neural conductivity;

comparing the detected electrical signal with a threshold reference value in the computing device;

using a biochemical analyzer to analyze fluid samples obtained from the subject for the presence of chemical species or concentrations indicative of the neurological injury to create an output signal;

indicating the neurological injury when the detected electrical signal is beyond a preselected range of the reference value ~~or~~ and the output signal corresponds to the presence of chemical species or concentrations indicative of the neurological injury; and

providing suggestions as to at least one of: immediate interventive neuroprotective pharmaceutical treatments, physical transport precautions, or other possible action.

11-12 (Canceled)

13. (Original) The process of claim 10 further comprising communicating at least one of the detected electrical signal or indicated neurological injury to a remote location.

14. (Canceled)

15. (Currently amended) The process of claim 10 further comprising instructing a user to perform physical examination on the subject to obtain information and providing the information to said computing device.